

LISTING OF THE CLAIMS

1. (previously presented) A composition comprising: a modified RNA and a transfection reagent wherein said modified RNA consists of a functional group post-synthetically linked to an RNA via a labile bond cleavable under mammalian physiological conditions and wherein said functional group enhances interaction of said RNA with said transfection reagent.
- 2-3. (canceled)
4. (previously presented) The composition of claim 1 wherein the functional group is linked to a ribose 2' hydroxyl of the RNA.
5. (previously presented) The composition of claim 1 wherein the functional group is selected from the list consisting of: hydrophobic group, membrane active compound, cell penetrating compound, cell targeting signal, interaction modifier, and steric stabilizer.
6. (previously presented) The composition of claim 4 wherein the RNA is modified at: a single ribose 2' hydroxyl of the RNA, more than one but not all of the ribose 2' hydroxyls of the RNA, or all of the ribose 2' hydroxyls of the RNA.
7. (previously presented) The composition of claim 1 wherein the modified RNA consists of a silylated RNA.
8. (previously presented) The composition of claim 1 wherein the modified RNA consists of an acylated RNA.
9. (previously presented) The composition of claim 1 wherein the modified RNA consists of an alkylated RNA.
10. (previously presented) The composition of claim 1 wherein the RNA is selected from the group consisting of siRNA and microRNA.
11. (canceled)
12. (canceled)
13. (previously presented) The composition of claim 1 wherein the modified RNA is more resistant to nucleases than the RNA if it were not linked to the functional group.
14. (previously presented) The composition of claim 1 wherein a plurality of functional groups are attached to said RNA via labile bonds.